

Samsung Cheil Industries Starex[®] WR-9120AT ASA, Unreinforced

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Used in washing machine cover etc. Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Starex-WR-9120AT-ASA-Unreinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Melt Flow	15 g/10 min @Load 10.0 kg, Temperature 220 Å°C	15 g/10 min @Load 22.0 lb, Temperature 428 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Yield	48.1 MPa	6970 psi	5 mm/min; ASTM D638
Elongation at Break	60 %	60 %	5 mm/min; ASTM D638
Flexural Strength	65.7 MPa	9530 psi	2.8 mm/min; ASTM D638
Flexural Modulus	2.16 GPa	313 ksi	2.8 mm/min; ASTM D638
Izod Impact, Notched	1.18 J/cm @Thickness 3.17 mm	2.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 Å°C @Thickness 6.40 mm	180 Å°F @Thickness 0.252 in	ASTM D648
Vicat Softening Point	97.0 Å°C	207 Å°F	B/50; ISO R306

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.10e+11 ohm @Temperature 23.0 Å°C	1.10e+11 ohm @Temperature 73.4 Å°F	50% RH; ASTM D250
Static Decay	3.0 sec @Temperature 23.0 Å°C	3.0 sec @Temperature 73.4 Å°F	50% RH; JIS L1049

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